

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

	Hex(FFFFFF)	Hex(FFE6E6)	Hex(FDCCCC)	Hex(FB3B3B)	Hex(FF9999)	Hex(FF8080)	Hex(FF6666)	Hex(FF4D4D)	Hex(FF3333)	Hex(FF1A1A)
Hex(FFFFFF)		Ratio: 1.19 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.27 AA 18pt ²	Ratio: 3.64 AA 18pt ²	Ratio: 3.88 AA 18pt ²
Hex(FFE6E6)	Ratio: 1.19 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.07 AA 18pt ²	Ratio: 3.27 AA 18pt ²
Hex(FDCCCC)	Ratio: 1.42 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 2.73 Failed ⁵
Hex(FB3B3B)	Ratio: 1.70 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.28 Failed ⁵
Hex(FF9999)	Ratio: 2.05 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.90 Failed ⁵
Hex(FF8080)	Ratio: 2.43 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.60 Failed ⁵
Hex(FF6666)	Ratio: 2.86 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.36 Failed ⁵
Hex(FF4D4D)	Ratio: 3.27 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(FF3333)	Ratio: 3.64 AA 18pt ²	Ratio: 3.07 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.07 Failed ⁵
Hex(FF1A1A)	Ratio: 3.88 AA 18pt ²	Ratio: 3.27 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.07 Failed ⁵	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

¹ AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

² AA 18pt

AA level for large text above 18pt.

³ AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

⁴ AAA 18pt

AAA level for large text above 18pt.

⁵ Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

⁶ Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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